1646

#29

RAW SEQUENCE LISTING   DATE: 12/12/2000
PATENT APPLICATION: US/09/157,289E   TIME: 12:52:44

Input Set : A:\P1134R2 REVISED.txt
Output Set: N:\CRF3\12122000\I157289E.raw

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DEC 27 2000

TECH CENTER 1600/2900

```
 3 <110> APPLICANT: ASHKENAZI, AVI J
 4         BOTSTEIN, DAVID
 5         DODGE, KELLY H.
 6         GURNEY, AUSTIN L.
 7         KIM, KYUNG JIN
 8         LAWRENCE, DAVID A.
 9         PITTI, ROBERT
10         ROY, MARGARET A
11         TUMAS, DANIEL B
12         WOOD, WILLIAM I.
14 <120> TITLE OF INVENTION: DcR3 Polypeptide, A TNFR Homolog
16 <130> FILE REFERENCE: P1134R2 REVISED
18 <140> CURRENT APPLICATION NUMBER: US 09/157,289E
19 <141> CURRENT FILING DATE: 1998-09-18
21 <150> PRIOR APPLICATION NUMBER: US 60/059,288
22 <151> PRIOR FILING DATE: 1997-09-18
24 <150> PRIOR APPLICATION NUMBER: US 60/094,640
25 <151> PRIOR FILING DATE: 1998-07-30
27 <160> NUMBER OF SEQ ID NOS: 18
29 <210> SEQ ID NO: 1
30 <211> LENGTH: 300
31 <212> TYPE: PRT
32 <213> ORGANISM: Homo sapiens
34 <400> SEQUENCE: 1
35 Met Arg Ala Leu Glu Gly Pro Gly Leu Ser Leu Leu Cys Leu Val
36  1               5                  10                  15
38 Leu Ala Leu Pro Ala Leu Leu Pro Val Pro Ala Val Arg Gly Val
39              20                  25                  30
41 Ala Glu Thr Pro Thr Tyr Pro Trp Arg Asp Ala Glu Thr Gly Glu
42              35                  40                  45
44 Arg Leu Val Cys Ala Gln Cys Pro Pro Gly Thr Phe Val Gln Arg
45              50                  55                  60
47 Pro Cys Arg Arg Asp Ser Pro Thr Thr Cys Gly Pro Cys Pro Pro
48              65                  70                  75
50 Arg His Tyr Thr Gln Phe Trp Asn Tyr Leu Glu Arg Cys Arg Tyr
51              80                  85                  90
53 Cys Asn Val Leu Cys Gly Glu Arg Glu Glu Glu Ala Arg Ala Cys
54              95                  100                 105
56 His Ala Thr His Asn Arg Ala Cys Arg Cys Arg Thr Gly Phe Phe
57              110                 115                 120
59 Ala His Ala Gly Phe Cys Leu Glu His Ala Ser Cys Pro Pro Gly
60              125                 130                 135
62 Ala Gly Val Ile Ala Pro Gly Thr Pro Ser Gln Asn Thr Gln Cys
63              140                 145                 150
65 Gln Pro Cys Pro Pro Gly Thr Phe Ser Ala Ser Ser Ser Ser Ser
66              155                 160                 165
68 Glu Gln Cys Gln Pro His Arg Asn Cys Thr Ala Leu Gly Leu Ala
```

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```
69                    170                   175              180
71   Leu Asn Val Pro Gly Ser Ser Ser His Asp Thr Leu Cys Thr Ser
72                    185                   190              195
74   Cys Thr Gly Phe Pro Leu Ser Thr Arg Val Pro Gly Ala Glu Glu
75                    200                   205              210
77   Cys Glu Arg Ala Val Ile Asp Phe Val Ala Phe Gln Asp Ile Ser
78                    215                   220              225
80   Ile Lys Arg Leu Gln Arg Leu Leu Gln Ala Leu Glu Ala Pro Glu
81                    230                   235              240
83   Gly Trp Gly Pro Thr Pro Arg Ala Gly Arg Ala Ala Leu Gln Leu
84                    245                   250              255
86   Lys Leu Arg Arg Arg Leu Thr Glu Leu Leu Gly Ala Gln Asp Gly
87                    260                   265              270
89   Ala Leu Leu Val Arg Leu Leu Gln Ala Leu Arg Val Ala Arg Met
90                    275                   280              285
92   Pro Gly Leu Glu Arg Ser Val Arg Glu Arg Phe Leu Pro Val His
93                    290                   295              300
95   <210> SEQ ID NO: 2
96   <211> LENGTH: 1114
97   <212> TYPE: DNA
98   <213> ORGANISM: Homo sapiens
100  <220> FEATURE:
101  <221> NAME/KEY: Unsure
102  <222> LOCATION: 1090
103  <223> OTHER INFORMATION: Unknown base
105  <400> SEQUENCE: 2
106  tccgcaggcg gaccgggggc aaaggaggtg gcatgtcggt caggcacagc 50
108  agggtcctgt gtccgcgctg agccgcgctc tccctgctcc agcaaggacc 100
110  atgagggcgc tggagggggcc aggcctgtcg ctgctgtgcc tggtgttggc 150
112  gctgcctgcc ctgctgccgg tgccggctgt acgcggagtg gcagaaacac 200
114  ccacctaccc ctggcgggac gcagagacag gggacggct ggtgtgcgcc 250
116  cagtgccccc caggcacctt tgtgcagcgg ccgtgccgcc gagacagccc 300
118  cacgacgtgt ggccgtgtc caccgcgcca ctacacgcag ttctggaact 350
120  acctggagcg ctgccgctac tgcaacgtcc tctgcgggga gcgtgaggag 400
122  gaggcacggg cttgccacgc cacccacaac cgtgcctgcc gctgccgcac 450
124  cggcttcttc gcgcacgctg gtttctgctt ggagcacgca tcgtgtccac 500
126  ctggtgccgg cgtgattgcc ccgggcaccc ccagccagaa cacgcagtgc 550
128  cagccgtgcc ccccaggcac cttctcagcc agcagctcca gctcagagca 600
130  gtgccagccc caccgcaact gcacggccct gggcctggcc ctcaatgtgc 650
132  caggctcttc ctcccatgac accctgtgca ccagctgcac tggcttcccc 700
134  ctcagcacca gggtaccagg agctgaggag tgtgagcgtg ccgtcatcga 750
136  ctttgtggct ttccaggaca tctccatcaa gaggctgcag cggctgctgc 800
138  aggccctcga ggccccggag ggctggggtc cgacaccaag ggcgggccgc 850
140  gcggccttgc agctgaagct gcgtcggcgg ctcacggagc tcctgggggc 900
142  gcaggacggg gcgctgctgg tgcggctgct gcaggcgctg cgcgtggcca 950
144  ggatgcccgg gctggagcgg agcgtccgtg agcgcttcct ccctgtgcac 1000
146  tgatcctggc cccctcttat ttattctaca tccttggcac cccacttgca 1050
W--> 148  ctgaaagagg cttttttta aatagaagaa atgaggtttn ttaaaaaaaa 1100
150  aaaaaaaaaa aaaa 1114
```

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152 <210> SEQ ID NO: 3
153 <211> LENGTH: 491
154 <212> TYPE: DNA
155 <213> ORGANISM: Unknown
157 <220> FEATURE:
158 <223> OTHER INFORMATION: Unknown organism
160 <220> FEATURE:
161 <221> NAME/KEY: unsure
162 <222> LOCATION: 62, 73, 86, 98
163 <223> OTHER INFORMATION: unknown base
165 <400> SEQUENCE: 3
166    gccgagacag ccccacgacg tgtggcccgt gtccaccgcg ccactacacg 50
W--> 168    cagttctgga antaactgga gcnctgccgc tactgnaacg tcctctgngg 100
170    ggagcgtgag gaggaggcac gggcttgcca cgccacccac aaccgtgcct 150
172    gccgctgccg caccggcttc ttcgcgcacg ctggtttctg cttggagcac 200
174    gcatcgtgtc cacctggtgc cggcgtgatt gcccgggca ccccagcca 250
176    gaacacgcag tgcctagccg tgccccccag gcaccttctc agccagcagc 300
178    tccagctcag agcagtgcca gccccaccgc aactgcacgg ccctgggcct 350
180    ggccctcaat gtgccaggct cttcctccca tgacaccctg tgcaccagct 400
182    gcactggctt ccccctcagc accagggtac caggagctga ggagtgtgag 450
184    cgtgccgtca tcgactttgt ggctttccag gacatctcca t 491
186 <210> SEQ ID NO: 4
187 <211> LENGTH: 73
188 <212> TYPE: DNA
189 <213> ORGANISM: Unknown
191 <220> FEATURE:
192 <223> OTHER INFORMATION: Unknown organism
194 <400> SEQUENCE: 4
195    gccgagacag ccccacgacg tgtggcccgt gtccaccgcg ccactacacg 50
197    cattctggaa ctacctggag cgc 73
199 <210> SEQ ID NO: 5
200 <211> LENGTH: 271
201 <212> TYPE: DNA
202 <213> ORGANISM: Unknown
204 <220> FEATURE:
205 <223> OTHER INFORMATION: Unknown organism
207 <220> FEATURE:
208 <221> NAME/KEY: unsure
209 <222> LOCATION: 42, 62, 73, 86, 98, 106, 120, 122, 153, 167, 184, 220, 233
210 <223> OTHER INFORMATION: unknown base
212 <400> SEQUENCE: 5
W--> 213    gccgagacag ccccacgacg tgtggcccgt gtccaccgcg cnactacacg 50
W--> 215    cagttctgga antaactgga gcnctgccgc tactgnaacg tcctctgngg 100
W--> 217    ggagcntgag gaggaggcan gngcttgcca cgccacccac aaccgcgcct 150
W--> 219    gcngctgcag caccggnttc ttcgcgcacg ctgntttctg cttggagcac 200
W--> 221    gcatcgtgtc cacctggtgn cggcgtgatt gcnccgggca ccccagcca 250
223    gaacacgcat gcaaagccgt g 271
225 <210> SEQ ID NO: 6
226 <211> LENGTH: 201
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/157,289E

DATE: 12/12/2000
TIME: 12:52:44

Input Set : A:\P1134R2 REVISED.txt
Output Set: N:\CRF3\12122000\I157289E.raw

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227  <212> TYPE: DNA
228  <213> ORGANISM: Unknown
230  <220> FEATURE:
231  <223> OTHER INFORMATION: Unknown organism
233  <220> FEATURE:
234  <221> NAME/KEY: unsure
235  <222> LOCATION: 182
236  <223> OTHER INFORMATION: unknown base
238  <400> SEQUENCE: 6
239  gcagttctgg aactacctgg agcgctgccg ctactgcaac gtcctctgcg 50
241  gggagcgtga ggaggaggca cgggcttgcc acgccaccca caaccgtgcc 100
243  tgccgctgcc gcaccggctt cttcgcgcac gcggtttct gcttggagca 150
W-->245  cgcatcgtgt ccacctggtg ccggcgtgat tnccccgggc accccagcc 200
247  a 201
249  <210> SEQ ID NO: 7
250  <211> LENGTH: 277
251  <212> TYPE: DNA
252  <213> ORGANISM: Unknown
254  <220> FEATURE:
255  <223> OTHER INFORMATION: Unknown organism
257  <220> FEATURE:
258  <221> NAME/KEY: unsure
259  <222> LOCATION: 142
260  <223> OTHER INFORMATION: unknown base
262  <400> SEQUENCE: 7
263  gaggggcccc caggagtggt ggccggaggt gtggcagggg tcaggttgct 50
265  ggtcccagcc ttgcaccctg agctaggaca ccagttcccc tgaccctgtt 100
W-->267  cttccctcct ggctgcaggc accccagcc agaacacgca gnccagccgt 150
269  gccccccagg caccttctca gccagcagct ccagctcaga gcagtgccag 200
271  ccccaccgca actgcacggc cctgggcctg gccctcaatg tgccaggctc 250
273  ttcctcccat gacaccctgt gcaccag 277
275  <210> SEQ ID NO: 8
276  <211> LENGTH: 199
277  <212> TYPE: DNA
278  <213> ORGANISM: Unknown
280  <220> FEATURE:
281  <223> OTHER INFORMATION: Unknown organism
283  <400> SEQUENCE: 8
284  gcatcgtgtc cacctggtgc cggcgtgatt gccccgggca cccccagcca 50
286  gaacacgcag gcctagccgt gccccccagg caccttctca gccagcagct 100
288  ccagctcaga gcagtgccag ccccaccgca actgcacggc cctgggcctg 150
290  gccctcaatg tgccaggctc ttcctcccat gacaccctgt gcaccagct 199
292  <210> SEQ ID NO: 9
293  <211> LENGTH: 226
294  <212> TYPE: DNA
295  <213> ORGANISM: Unknown
297  <220> FEATURE:
298  <223> OTHER INFORMATION: Unknown organism
300  <220> FEATURE:
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    301 <221> NAME/KEY: unsure
    302 <222> LOCATION: 4, 9, 12, 165
    303 <223> OTHER INFORMATION: unknown base
    305 <400> SEQUENCE: 9
W--> 306 agcngtgcnc cncaggcacc ttctcagcca gcagttccag ctcagagcag 50
    308 tgccagcccc accgcaactg cacggccctg ggcctggccc tcaatgtgcc 100
    310 aggctcttcc tcccatgaca cgctgtgcac cagctgcact ggcttccccc 150
W--> 312 tcagcaccag ggtancagga gctgaggagt gtgagcgtgc cgtcatcgac 200
    314 tttgtggctt tccaggacat ctccat 226
    316 <210> SEQ ID NO: 10
    317 <211> LENGTH: 283
    318 <212> TYPE: DNA
    319 <213> ORGANISM: Homo sapiens
    321 <220> FEATURE:
    322 <221> NAME/KEY: Unsure
    323 <222> LOCATION: 1-283
    324 <223> OTHER INFORMATION: Unknown organism
    326 <220> FEATURE:
    327 <221> NAME/KEY: unsure
    328 <222> LOCATION: 27, 64, 140
    329 <223> OTHER INFORMATION: unknown base
    331 <400> SEQUENCE: 10
W--> 332 cttgtccacc tggtgccggc gtgattnccc gggcaccccc agccagaaca 50
W--> 334 cgcagtgcca gccntccccc caggcacctt ctcagccagc agctccagct 100
W--> 336 cagagcagtg ccagccccac cgcaactgca acgccctggn ctggccctca 150
    338 atgtgccagg ctcttcctcc catgacaccc tgtgcaccag ctgcactggc 200
    340 ttccccctca gcaccagggt accaggagct gaggagtgtg agcgtgccgt 250
    342 catcgacttt gtggctttcc aggacatctc cat 283
    344 <210> SEQ ID NO: 11
    345 <211> LENGTH: 21
    346 <212> TYPE: DNA
    347 <213> ORGANISM: Unknown
    349 <220> FEATURE:
    350 <223> OTHER INFORMATION: Unknown organism
    352 <400> SEQUENCE: 11
    353 cacgctggtt tctgcttgga g 21
    355 <210> SEQ ID NO: 12
    356 <211> LENGTH: 22
    357 <212> TYPE: DNA
    358 <213> ORGANISM: Unknown
    360 <220> FEATURE:
    361 <223> OTHER INFORMATION: Unknown organism
    363 <400> SEQUENCE: 12
    364 agctggtgca cagggtgtca tg 22
    366 <210> SEQ ID NO: 13
    367 <211> LENGTH: 53
    368 <212> TYPE: DNA
    369 <213> ORGANISM: Unknown
    371 <220> FEATURE:
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VERIFICATION SUMMARY   DATE: 12/12/2000
PATENT APPLICATION: US/09/157,289E   TIME: 12:52:45

Input Set : A:\P1134R2 REVISED.txt
Output Set: N:\CRF3\12122000\I157289E.raw

```
L:148 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:168 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:215 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:217 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:219 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:221 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:245 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:267 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:306 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:332 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:334 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:336 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
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